

Special Issue

TSPO and Brain Disorders

Message from the Guest Editors

TSPO modulates the generation of various molecules, as well as the transport of such molecules over the outer mitochondrial membrane. Furthermore, the TSPO regulates inflammation and immune responses, as well as cell proliferation, migration, differentiation, and adhesion. These are all essential functions related to the various brain disorders and their healing. To address associated questions regarding these functions, including their roles in neurological disorders, numerous synthetic TSPO ligands have been designed, generally based on the tricyclic structure of benzodiazepines. Now, we are starting to understand that synthetic and natural ligands bind to various sites on the TSPO. Hopefully, the expansion of our knowledge on TSPO will lead to novel treatments for various brain disorders. Submissions dealing with all of these topics are welcome. Keywords

- TSPO
- brain trauma
- brain disease
- neurodegeneration
- mental disorder
- astrocytes
- microglia
- neurons
- inflammation
- treatment

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